DOCUMENT CONTROL

Memo

0.00

0.00

Photocopy blue file and type labels per PPP D350-636-011 CHG 006

Insp.

Dart Aerospace Ltd	Dar	t Aer	ospa	ce i	Ltd
--------------------	-----	-------	------	------	-----

W/O:	rt No:  Resolution:  R:  Description	ė	WORK ORDER CHANGES										
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
	<u> </u>												
Part No	) <b>:</b>	PAR #:	Fault Ca	tegory:	NCR: Ye	s No DO	QA:	Date: _					
	Res	solution:	Disposit	ion:	QA: N/C	Closed: _		Date:					
NCR:		V	VORK OR	DER NON-CONFORM	ANCE (NO	CR)							
DATE	STEP	Description of NC Section A			Sign & Verification Section C		Approval Chief Eng	Approval QC Inspector					
		SECTION	Chief Eng	Chief Eng	Da	te		Office Ling	QO IIIOPOOTOI				
					:			:					
			1						i				
	!												
		,						ļ					
3				1.5									
	:												

1. Malakana

Work Order ID 83648

April-23-12 10	):08:06 AM	er were a fit to the first			,—,							C	
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11	·- · <b></b>	Accept	*N900	<u> </u>	1100	)*	Setup	Start Stop	*N:	S1* S2*	-
Start Date: Required Date Reference:	23/04/2012 : 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item 1 Customer:	ID:							
Approvals:	Process Pla	nn: Dat	e:	Tooling:	D	ate:	-		Run	Start	*N	R1*	
♥.	QC:	Dat	e:	SPC (Y/N):	D	ate:				Stop	*N	R2*	
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept	t Rej Qty		Reject Number	Insp. Stamp	_
*110* Skidtubes Skidtubes		AFT end per dwg D2  3- Drill pilot holes for deburr.  4- Locate DT8330 of fitting  5- Drill only two fwd  6- Drill pilot holes as Jig DT8150 & DT88  7- Clecko DT8863B  ***SECOND SIDE*  8-Open up holes for location holes to 0.50 holes for ground hand	AFT ends, remove 2750  or blade fitting bold of blade fitting blade fitting bold of blade fitting blad	0.00  be bending marks. Scribe bat holes using DT8983. Operate holes and drill pilot holes. DT9616. Ensure proper posteet 4 (D2750-1 details). Donly DT8863B for second tube and drill pilot holes for the holes per side) as per dwg D27 to 0.500" (8 holes per side) Dwg D2750 using DT810	oles for blade ositioning.  Drill using drill side (detail B)  or detail B.  de fitting 750 .Open up					<u> </u>		 12-04-	3.

Dart A	eros	oace	Ltd
--------	------	------	-----

W/O:		i	WC	ORK ORDER CHANG	ES				<b>k</b>						
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
	;														
	<u>.</u>														
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A:	Date: _							
	R	esolution:	Dispositio	n:	_ QA: N/C C	osed:		Date: _							
NCR:		\	WORK ORD	ER NON-CONFORMA	NCE (NCF	R)									
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval						
	O.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section C		Section C						Chief Eng	QC Inspector
	,														

Work Ord		648		*836	348*			<u></u>		Page 3
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N900	04010	<b>n</b> * '	Setup Star Stop	I VI	S1* S2*
Start Date: Required Date Reference:	23/04/2012 e: 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I Customer:	D:				. 1/
Approvals:		nn:			Da	nte:		Run Star Stop	I/I	R1*
	QC:		Date:	_ SPC (Y/N):	Da	ite:		5.04	*N	R2*
Sequence ID/ Work Center I	( <b>D</b>	from bendin A/R Alum	744 Cap as per Dwg D275 g as per QSI 004 inum Rod batch: March lds flush as'per Dwg D275	120854 m	Tool ID  Tes in bend left  BE 12/04/3	Tool # Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		QC10- Inspect visual per	QSI004- ground welds	0.00					•	
*120* QC Quality Control		Memo		0.00	2 lustos					
130 *130*		QC5- Inspect part comple	eteness to step on W/O	_	7/07/02					
QC		Memo		0.00						

Quality Control

Dart Aerospace Ltd	Dar	t Aer	osp	ace	Ltd
--------------------	-----	-------	-----	-----	-----

Duit No	ισορίασι	Liu												
W/O:			WO	RK ORDER CHANG	ES					£				
DATE	STEP	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
	i	•												
.==	<b>ŀ</b> .													
						·				S.				
Part No	:	PAR #:	Fault Categ	ory:	_ NCF	R: Yes I	No DQ	<b>A</b> :	Date: _					
	R	esolution:	Disposition	:	QA:	N/C Cld	sed:		Date: _					
Resolution:			WORK ORDE	R NON-CONFORM	ANCE	(NCR	)							
DATE	STEP	Description of NC Section A	Initial	Corrective Action Sec Action Description	tion B	Sign &	1	cation	Approval	Approval				
	<u> </u>	Section A	Chief Eng	Chief Eng									Chief Eng	QC Inspector
										· ·				
						170								
		,												

April-23-12 10:	08:06 AM			(),)(	14()			r age 4
Item ID: Revision ID: Item Name:	D350-636-01 Skidtube LH	11		Accept	*N900040100	<b>)*</b> Setup	Start Stop	*NS1*
	23/04/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:		Stop	*NS2*
Approvals:	0.0	n:	Date:	_	Date:	Run	Start Stop	*NR1* *NR2*
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	Tool ID Tool # Plan Code	Accept Re Qty Qt		Reject Insp. Number Stamp
*140 *140* HandFinish Hand Finishing		Chemical Conversion Co	oat per QS1005 4.1	0.00		76	17	-5-2
150		QC7-Inspect Chemical C	Conversion Coat	0.00		,		
*150* QC Quality Control		Memo		0.00			<b>グ</b>	BE 12-05-03

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES											
DATE STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty.	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
							85			1996 1996 1997 1997 1998			
							, s. 4 <del>p.</del>						
Part No	:	PAR #:	Fault Cat	tegory:	NC	R: Yes	No # DQA	97. 92.	_ Date:				
	Re	esolution:	Disposit	ion:	QA	N/C CI	osed:		Date:				
NCR:		1	WORK OR	DER NON-CONFO	PRMANCE	(NCR	)						
DATE	STEP	Description of NC		Corrective Action	Section B	Cian 9	Verifica		Approval	Approval			
DAIL	SILF	Section A	Initial Chief Eng	Action Descrip Chief Eng	otion	Sign & Date	Sectio	niC ,	Chief Eng	QC Inspector			
		•				:			I.	e en			
								ţ					
				·\$	e e				:				
									4.				
!				*					:				
	·					,							
				:									
	I				* ;	ì	·			1			

WOFK Orac April-23-12 10:			·	*836	348*				•	Page 5
Item ID:  Revision ID:  Item Name:	D350-636-0 Skidtube LH	11	<u>- 1</u> - 1 1 1 1 1 1	Accept	*N90004	L0100	<b>★</b> Setu	p Start Stop	*N.S	\$1* \$0*
Start Date: Required Date: Reference:	23/04/2012 07/05/2012	Start Qty: 1. Req'd Qty: 1.	•		Cust Item ID: Customer:			·	"IV.S	<b>.</b> /"
Approvals:	Process Pla	ın:		Tooling: SPC (Y/N):	Date:		Run	Start Stop	*NF	?1* ?0*
Sequence ID/ Work Center II	)	Operation Description		Set Up/ Run Hours	·	ol# Plan		-		Insp. Stamp
*160* Skidtubes		Skidtubes <b>Mem</b> o		0.00					, 	
		side) as per 2-Ope as per 3- Ope 4-Chan (welding 5-Debu 6- Prep 7-Bond A/R 8- Wel (welding A/R 9- At s	dwg D2750.  In up holes of Detail B to 0.7 dwg D2750.  In float hole to 0.500" (4 per mfer holes of Detail B, C, gring instructions on sheet 8)  In and blow out all chips from the pare tube for welding, removed web D2739 in place as per Sikaflex-291 batch:  In an	ound handling and float hole:  om inside of tube  re alodine as required.  QSI 015  12/22/_ xp. date: 13/6/64  3 and D2743 as per dwg D27	s per dwg D2750 - De 12/65	•	)	K 12	/os-/c	73
-		10-Gri	nd welds flush as per Dwg [	D2750 - 1Kg	CC 17.5.	8				

Dart Aer	ospace	Ltd							•
W/O:			WO	RK ORDER CHANGE	ES				•
DATE	STEP	PRO	CEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	s No DC	A:	Date: _	
	R	esolution:	Disposition	:	QA: N/C	Closed: _	Date: _		
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
		Description of NC		Corrective Action Section		Verif	ication	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	¹&r Sec	tion C	Chief Eng	QC Inspector
		•							

		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	<b>Initial</b> Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
	,							
								<u></u>
	į							
	-							
				15.				
			,					

April-23-12 10:	08:06 AM	·		O.30	140			rage (
Item ID: Revision ID: Item Name:	D350-636-01 Skidtube LH	11		Accept	*N9000401	<b>00</b> *	Setup Start Stop	*NS1*
Start Date: Required Date: Reference:	23/04/2012 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			IN.
Approvals:	Process Pla	n:	Date:		Date:	]  	Run Start Stop	*NR1* *NR2*
Sequence ID/ Work Center II	D	Operation Description  11-Spot face dwg D2750  12-Deburr h	e ground handling holes se oles	Set Up/ Run Hours ction (total of 4 places per	r side) as per	an Accept ode Qty	Qty I	Reject Insp. Number Stamp
170 *170* QC Quality Control		QC10- Inspect visual per	QS1004- ground welds	0.00	tig		·	<u> </u>
180 *1 A N * QC Quality Control		QC5- Inspect part comple	eteness to step on W/O	0.00	ton	H		

## **Dart Aerospace Ltd**

W/O:	:		W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	ANGE	B	,	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
,	,									
•										
	,									
Part No	:	PAR #:	Fault Cate	egory:	NCR: \	es N	o <b>DQ</b>	A:	Date: _	
	R	esolution:	Disposition	on:	QA: N/	C Clos	sed:		Date: _	
NCR:	i		WORK ORD	DER NON-CONFORM	ANCE (N	ICR)				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Sec Action Description Chief Eng		ign & Date		cation tion C	Approval Chief Eng	Approval QC Inspector
				·						
	;									
	:									
	1				l					

Work Orde		648		*836	348*	·	"""	:: <u></u> _		- 44	Assault of the second	Page 7
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11		Accept	*N900	040	1100	)*	Setup	Start Stop	ı VI .	S1* S2*
Start Date: Required Date: Reference:	23/04/2012 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item I.	D:						
Approvals:	Process Pla	ın:	Date:	Tooling:	Da	ate:	_		Run	Start	*N	R1*
	QC:		Date:	<b>SPC (Y/N):</b>		ate:				Stop	*NI	R2*
Sequence ID/ Work Center II 190 *100*	)	Operation Description Pressure Wash per QSI00	05 4.3	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	t Reje Qty		Reject Number	Insp. Stamp
HandFinish Hand Finishing		<b>Memo</b> Re-alodine t	ube as per QSI 005 section	0.00 4.1.2.1 do not acid etch.				- <del>/ X</del>		<u> </u>		-t2/05
200 *200* Powdercoat Powder Coating	134	White Gloss(Ref:4.3.5.1)  Memo START TIM OVEN TEM FINISH TIM	7 145 PERATURE: 32	0.00 0.00				/χ_	Þ			M-L _12/5/1
*210 *210* QC Quality Control		QC3- Inspect Part Finish  Memo	oreign object per QSI 024	0.00				_/	Ø		B	1054

Dart Aerospace Ltd	Dart	Aeros	pace	Ltd
--------------------	------	-------	------	-----

Dail Aci	ospace	Liu									
W/O:			W	ORK ORE	ER CHAN	GES					1
DATE	STEP	PRO	OCEDURE CH	ANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
1	·										1
Part No		PAR #:									
	R	esolution:	Disposition	on:	·····	QA	: N/C Clo	sed:		Date: _	
NCR:			WORK ORE	DER NON-	CONFORM	MANCE	(NCR	)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Actio	Action Son Description Chief Eng	ection B n	Sign & Date		<b>cation</b> ion C	Approval Chief Eng	Approval QC Inspector
			Sinot Ling		Onto Ling						

\*83648\*

Page 8

April-23-12 10:	08:06 AM			( ), )(	) <del>4</del> ()						
Item ID: Revision ID:	D350-636-0	11		Accept	*N900	040	1100	<b>)</b> * s	Setup Sta	rt *N	S1*
Item Name:	Skidtube LH								Sto	p *N	S2*
Start Date:	23/04/2012	Start Qty: 1.00	*1	*	Cust Item 1	ID:					
Required Date: Reference:	07/05/2012	Req'd Qty: 1.00	*1	*	Customer:						
Approvals:	Process Pla	n:	Date:	Tooling:	D	ate:		F	Run Sta	!/	R1*
	QC:		_ Date:	SPC (Y/N):	D	ate:			Sto	<sup>p</sup> *N	R2*
Sequence ID/ Work Center ID	)	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp.
*220*		HandFinishing		0.00				,	<b>X</b>		
HandFinish		Memo		0.00						(20	2-140
Hand Finishing		1- Install in	serts as per Dwg D27	750				LH			D)
											Ple
230				0.00					,		
*230*		HandFinishing						1 LH	(D)	(DD)	12/06
HandFinish		Memo		0.00				<u></u>	<del>;</del>		·909
Hand Finishing		·	or Foreign Objects							•	
		2-Spray ins	ide of tube with "LPS	-3" batch: N/A							
·		3-Install bla per dwg D2 SIKA FLEX BATCH: EXP DATE	750 ( 241   <b>2</b> \ <b>409</b>	, wearshoes and ground handli	ng hardware as						
		4-assemble A/R 55-o'ri	o'ring to plug as per on ng lube batch: 110	dwg D3492 and apply o'ring lul	be						

5-Coat all exposed fasteners with "LPS Procyon" batch: 山ってらし

<b>Dart</b>	Aero	ospac	e Ltd

W/O: 83	3648	WORK ORDER CHAN	ANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
,									
	ļ .						,		

Part No: D350-636-011 PAR #:	Fault Category:	Stid table	NCR: Yes No	DQA: Aux	Date: <u>12/4</u> ;	7/09	<u>/</u>
Resolution:	Disposition:	Velocie	QA: N/C Closed	l:	Date: 12	(7)	/ ユ

NCR:	1557	W	ORK OR	DER NON-CONFORMANCE	(NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
		Found that Produting D3468-04	1.00	- Drill ally SADOL + Aff hle			(1)	
1.15	],,	so not hit suid tun.	12-06.09	10 Mark tol.	12-6-6		12-66.69	8
12/06/3	730	P.C. Tol on Blance (Day86-041/42	PL-VO.	Drill his in Blace D3488-04/	2	2/ci/20	1 L- 40.67	12/2/03
•		+ Human Alin (Poss.		to mar hol.			(1/)	
				touch up his with Alove As per as 2004 And leasenful.	(AB)		(4)	
			9	As for as 2004 And leasenful.	100	SalulA	17-06-W	5
			nuby		170920	00/10/10	, 2000.	12/06/03

Work Ord		648		*836	848*				Page 9
Item ID: Revision ID: Item Name:	D350-636-0 Skidtube LH	11 %	VP 1	Accept	*N90004	4 <b>010</b> 0	<b>)*</b> Setup	Start Stop	*NS1*
Start Date: Required Date: Reference:	23/04/2012 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* * *1*		Cust Item ID: Customer:				ועוזי
Approvals:	Process Pla	ın:	Date:	Tooling:	Date:		Run	Start	"INK1"
	QC:		Date:	_ SPC (Y/N):	Date:			Stop	*NR2*
Sequence ID/ Work Center II 240	D	Operation Description QC5- Inspect part comp	leteness to step on W/O	Set Up/ Run Hours 0.00	Tool ID To	ool # Plan Code	Accept Re Qty / Qt	-	Reject Insp. Number Stamp
* <b>240</b> * QC Quality Control		Memo		0.00		14	HW/B	12-1	<b>∞-3</b> >
<sup>250</sup> *250*		Pick Kit		0.00				, //	
Packaging Packaging		Мето		0.00			- Ich	/4/2	
<sup>260</sup> *260*		QC4- 100% Inspect kits	for completeness	0.00				*	
QC		Memo		0.00 D(7)	(oce/27			· · ·	

\*\*\*\*\*ensure antiseize is on AN8C21A bolts\*\*\*\*\*

Quality Control

# Dart Aerospace Ltd

	•								
W/O:	,		WC	RK ORDER CHANG	ES				e
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	:								
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	No <b>DQ</b>	<b>\</b> :	Date: _	
	Resolution:			າ:	_ QA: N/C CI	osed:	<u> </u>	Date: _	
NCR:		,	WORK ORDI	ER NON-CONFORM	ANCE (NCF	<b>(</b> )			
DATE	STEP	Description of NC			tion B	Verific		Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section	on C	Chief Eng	QC Inspector
,									
	:								
				······································					
	· .								
-					1				
	Į.	1	1		1	1			1

	Work Order ID 83648  April-23-12 10:08:06 AM			*836		Page 10		
Item ID: Revision ID: Item Name:	D350-636-01 Skidtube LH	1	5 · · · · <u>u</u> .·	Accept	*N900040	1100*	Setup S	Start *NS1* Stop *NS2*
Start Date: Required Date: Reference:	23/04/2012 07/05/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			
Approvals:	00	n:	<b>~</b> .	Tooling: SPC (Y/N):	Date:	- ·		Start *NR1* Stop *NR2*
Sequence ID/ Work Center II 270 *270* Packaging Packaging	)	Operation Description Packaging Memo Package as p	per PPP D350-636-011	Set Up/ Run Hours 0.00	Tool ID Tool #	Plan Acco	ept Rejec Qty	
280 * <b>2</b> 80* QC		QC21- Final Inspection -	Work Order Release	0.00			16	2/4/28/1

Memo

Quality Control

12-06-27

### Dart Aerospace Ltd

	P	<del></del>						•	
W/O:	·		W	ORK ORDER CHANG	ES				u.
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		· .							
								  -  -	
							<u> </u>		
•		PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	Dispositio	n:	_ QA: N/C Cld	sed:		Date: _	
NCR:		\	WORK ORD	ER NON-CONFORMA	ANCE (NCR	)			
DATE	STEP	Description of NC		Corrective Action Section		Verific		Approval	Approval
	JILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	Section C Chief Er		QC Inspector
		_							
¥	:						<del>* · · · · ·</del>		
				·					

#### **Picklist Print**

April-23-12 10:08:10 AM

Work Order ID: 83648

05040

\*83648\*

\*D350-636-011\*

Parent Item Name:

Skidtube LH

D350-636-011

Start Date: 23/04/2012

**Required Date:** 07/05/2012

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

Parent Item:

IPP Rev:I 02.09.25 Rearranged procedure steps KJ
IPP Rev:J 06-03-23 As per Rev D JLM
IPP Rev:K 06-07.13 As per dsi9343 EC

IPP Rev:L 07-07-28 Added SS Wearplates(Rev E) JLM Verf:EC IPP Rev:M 08-04-22 update steps 4, 13 DD verified by:EC IPP Rev:N 08-09-23 revF as per dwg DD verified by:ec

IPP Rev:O 09-02-06 apply antiseize on AN8C21A bolts as per PAR09-010
DD verf:EC IPP Rev:P 10.06.22 revise
seq110 DD verf:EC IPP Rev:Q 10.10.01 as per IIN revH

DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure		Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3492-1		Manufactured	No			230	Each	221.0000	8	8			
*D3492-1*						•			**	8		12/0	5/15
				Location	<u>n</u>	Loc	Qty	Loc Code					
				FP002	83259		14			1			
					69531		8				_		
					74444		2		_				
					76235		4		_				
				FP-A			207						
					81963		7		_				
					83098		200			<del>-</del>			
D3492-3		Manufactured	No			230	Each	189.0000	8	8			
*D3492-3*									**	8_	<b>B</b>	12/05/	15
				<u>Locatio</u>	<u>1</u>	<u>Loc</u>	<u>Oty</u>	Loc Code				•	
				FP-A			189						
					81967		5						
					83099		184		_		_		

Dart	Aer	osp	ace	Ltd

W/O:	1		V	ORK ORDER CHANG	ES				4
DATE	STEP	PRO	CEDURE CH	IANGE		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	í						,		
	·								
Part No	:	PAR #:			_ NCF	R: Yes N	lo <b>DQA:</b>	Date: _	
	Resolution:			ion:	_ QA:	N/C Clo	sed:	Date: _	
NCR:		V	WORK OR	DER NON-CONFORMA	ANCE	(NCR)	1		
DATE	STEP	Description of NC Section A	<b>Initial</b> Chief Eng	Corrective Action Section Description Chief Eng	ion B	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
			Office Ling	One Eng		Date			
					6		·		
									4
			į į						

Picklist Print April-23-12 10:08:10 AM							Page 2
Work Order ID: 83648  Parent Item: D350-636-011  Parent Item Name: Skidtube LH			3648* 350-636-01	11*	Start Date: Start Qty:		Required Date: 07/05/2012 Required Qty: 1.00
*NAS1611-010 *NAS1611-010* O-RING	Purchased	No		230 Each	247.0000 8 <b>**</b>	8	12/05/15
			Location  FP001   21584  110915  117460  118077  118612  119438  120986  121166  121259	Loc Oty  247  14  8  1  3  47  12  12  50	<u>Loc Code</u>		- · · · · · · · · · · · · · · · · · · ·
NAS1149D0863J  *NAS1149D0863  WASHER	Purchased	No	121415	. 100 250 Each	179.0000 2 **	- /2 o	30s (
D2744 *D2744* Cap	Manufactured	No	Location ST298 118078 119307 120308	Loc Qty 179 34 45 100 110 Each	30.0000 1 **	1	BE12/0/30
Cap			Location LG002 62715 70881 78900	Loc Oty 30 1 1 28	<u>Loc Code</u>		- - - -

Dart Ae	rospace L	td						•
N/O:			WO	RK ORDER CHANG	ES		4	ž.
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								ļ Į
<del></del>								
			•					
<b></b>	11_			-		l		I
Part No	:	PAR #:	Fault Categ	ory:	_ NCR: Yes	No DQA:	Date: _	
	Res	olution:	Disposition	:	_ QA: N/C Cld	sed:	Date: _	·
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NCR	)		
		Description of NC		Corrective Action Section	on B	Verification	Approval	Approval
DATE	STEP	Section A `	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
				<i>;</i>				
						1		

NCh.													
		Description of NC		Corrective Action Section E	}	Verification	Approval	Approval QC Inspector					
DATE	STEP	Section A `	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng						
				;									
·													
			-										
							,						
							•						
1	1	_						1					

Picklist Print April-23-12 10:08:10 AM										Page 3
Work Order ID: 83648  Parent Item: D350-636-011  Parent Item Name: Skidtube LH		*83648 *D350	8* -636-01	1*			art Date: 2	23/04/2012	Required Date: 0 Required Qty: 1	
102600-3-BENT 202600-3-BENT* Extrusion Bent	Manufactured	No	*	110	Each	30.0000	\ <b>*</b> *	1 () 1	M) ire	54-30
		<u>Locati</u> LG	66875 73253 75021 75022 75023 81330 82347	<u>Loc</u>	30 7 1 1 1 1 4 3	<u>Loc Çode</u>				
D2743 **\D2743* Crossbolt Spacer	Manufactured	No	<b>83309</b>	160	12 Each	233.0000	8 <b>**</b>	8	- B027	12/05/0
		<u>Locatio</u> LG LG001	81965 67766 68251 73403 74445 79517	<u>Loc</u>	Oty -51 159 284 4 3 64 1 2	Loc Code				
D2739 *D2739* 350 I Beam	Manufactured	No		160	Each	3.0000	1 <b>**</b>	1	2 <b>/05</b> /03	
in eq.		<b>Locatio</b> LG	72155 81508 82124	Loc	Oty 3 1 1 1 1	Loc Code			_ _ _	
April-23-12 10:08:10 AM			Shop Pack	et Print						Page 3

Dart Aerospace	Ltd
----------------	-----

Dai t Ac	ospace	, E.U							
W/O:			W	ORK ORDER CHANG	ES				13
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _	
	Resolution:		Disposition	on:	_ QA: N/C (	Closed:		Date: _	
NCR:		V	VORK ORE	DER NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC			tion B	Verifi	cation	Approval	Approval
DAIL	JIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
_									
	j.								
						,			
1	1		1			I		1	1

Picklist Print April-23-12 10:08:10 AM									Page 4
Work Order ID: 83648		*8	3648*						
Parent Item: D350-636-011			350-636-0	11*					
Parent Item Name: Skidtube LH		1,	. ). )( )-( ). )( )-( )	1 1			rt Date: 2 art Qty: 1		Required Date: 07/05/2012 Required Qty: 1.00
D3490-3	Manufactured	No		160	Each	46.0000	4	4	
*D3490-3* Cross Bolt Spacer							**	<del>-</del>	BE12/05/07 B83313 ×4
·			<b>Location</b>	<u>L</u> c	oc Qty	Loc Code			\$63313 ×4
			LG		44			-	_
			82016		44				_
			LG001		2				_
D3490-1	Manufactured	No	78800	160	2	C4 0000			_
	Manufactured	140		160	Each	64.0000	4	4	- /
*D3490-1* Cross Bolt Spacer						•	**		B-E12/05/0
cross Bolt Space			Location	Lo	c Qty	Loc Code			<u> 3-E12/05/</u> 6 383269 ×4
			LG	<u> </u>	55	Loc Code			
			81976		55				-
			LG001		9				-
			62450		2				_
			74875		4				-
ALS4-1032-225	Purchased	No	77042	220	3	1.050.000			-
		NO		220	Each	1,850.000	38	38	
*AI S4-1032-225*						•	**	38	12/05/14
			<u>Location</u>	<u>Lo</u>	c Qty	Loc Code			
\			ST281		1827				· -
N = N			108696 110768		146				-
* *			118386		62 55				-
11,			118966		68				-
			121269		1496				- -
			ST282		23				

10

13

120410

120451

	D	art	Aer	osp	ace	Ltd
--	---	-----	-----	-----	-----	-----

W/O:		· · · · · · · · · · · · · · · · · · ·	W	ORK ORDER CHANGI	ES				4
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•						
Part No	:	PAR #:	Fault Cat	tegory:	NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	Dispositi	ion:	QA: N/C Cle	osed:		Date: _	
NCR:	,	\	WORK ORI	DER NON-CONFORMA	NCE (NCR	)	-		
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	on B Sign & Date		cation tion C	Approval Chief Eng	Approval QC Inspector
			Office Eng	Office Ling	Dute				
	·								
	'	,							

Picklist Print April-23-12 10:08:10 AM			,_					· · · · · · ·		Page 5
Work Order ID: 83648  Parent Item: D350-636-011  Parent Item Name: Skidtube LH			3648* 350-636-0	11*			tart Date Start Qty	e: 23/04/2012 y: 1.00	<del>-</del>	ed Date: 07/05/2012
D3793-3 *D3793-3* Wearshoe	Manufactured	No		230	Each	17.0000	**	1 1	A)	12/05/14
**			Location FP001 80434 82166	<u>L</u>	oc Oty 17 6 11	Loc Code				
*AN8C35A* BOLT	Purchased	No	32.00	230	Each	90.0000	**	1 1	_ 	12/06/20
			Location FP002 115960 118286 121275 ST346 114442 115188	<u>l.</u>	89 1 38 50 1 0	<u>Loc Code</u>				
D3793-1 *D3793-1*	Manufactured	No	115960	230	l Each	13.0000	**	1		: 1 ~/ic/
Wearshoe									(12/0)	12/05/14

Loc Qty

13 13 Loc Code

Location

**83393** 82171

FP001

Dart Aerospace Ltd	Dart	Aeros	pace	Ltd
--------------------	------	-------	------	-----

Dail Aci	vahare	LU							
W/O:			W	ORK ORDER CHANGE	S				3
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
'									
Part No	:	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _	
		esolution:							
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCF	3)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description	Sign 8		cation tion C	Approval Chief Eng	Approval QC Inspector
			Criter Erig	Chief Eng	Date				
							<del></del>		

•										•
Picklist Print April-23-12 10:08:10 AM	· <del></del>			-						Page 6
Work Order ID: 83648		*Q	3648*					<b></b>		
Parent Item: D350-636-011			350-636-01	1*	·*					
Parent Item Name: Skidtube LH		1 1		•			tart Date: Start Qty:	23/04/2012 1.00		ed Date: 07/05/2012
D3488-041	Manufactured	No		230	Each	3.0000	1	1	-	
*D3488-041* Blade Fitting Assembly, LH							**		(P)	12/06/06
**			Location FP002 83407 61689 75056 77021	<u>Lo</u>	3 1 1 1	Loc Code			 	·
D3794-3	Manufactured	No	.,,	230	Each	10.0000	1	1	_	
*D3794-3*							**		<b>3</b>	12/05/14
			Location	Lo	c Qty	Loc Code				
			FP002 <b>83396</b> 74530		10			-	_	
			80436		8				_	
AN6C44A	Purchased	No		230	Each	168.0000	4	1	_	

\*AN6C44A\*

Location Loc Qty Loc Code FG 2 103964 2 ST343 166 120143 121013 11 121167: 100

50

168.0000

\*\*

121440

12/05/14

Dart	<b>Aeros</b>	pace	Ltd
------	--------------	------	-----

Dait Aci	vapace	Liu							
W/O:			W	ORK ORDER CHANG	ES				ı.
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	:								
-									
•									
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Ye	s No I	DQA:	Date: _	
		esolution:							
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NO	CR)			
DATE	STEP	Description of NC		Corrective Action Section		Ve	rification	Approval	Approvai
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da	ې   n &	Section C	Chief Eng	QC Inspector
,									

Picklist Print  April-23-12 10:08:10 AM	·			· · · · · · · · · · · · · · · · · · ·					•		Page 7
Work Order ID: 83648  Parent Item: D350-636-011  Parent Item Name: Skidtube LH	······		3648 350	3* -636-0 <i>°</i>	11*			tart Date: 2			ed Date: 07/05/2012
*MS21083C8 *MS21083C8*	Purchased	No			230	Each	110.0000	\ <b>*</b> *	1	(P)	12/06/26
			Locatio 304  FP002  ST303	121185 121349 115884 115884 118077 119309 119638	<u>L</u> c	100 50 50 1 1 4 0 1 2 1 5	Loc Code				
D3536-25 *D3536-25* Gasket	Manufactured	No		121011	230	5 Each	9.0000	1 **	1	_ _@	12/05/14
			<u>Locatio</u> FP	n 8339/ 81342		<b>c Qty</b> 9 9	Loc Code		****	_	
*D3631-1 *D3631-1* Washer	Manufactured	No			230	Each	115.0000	8 **	8	28	12/05/14
			Location FG ST072	81874 83588 68062 75548	<u>Lo</u>	100 100 15 2 13	<u>Loc Code</u>				

Shop Packet Print

Page 7

April-23-12 10:08:10 AM

Dart Aerosp <mark>ace I</mark>	Ltd
--------------------------------	-----

W/O:			W	ORK ORDER CHANG	ES	***************************************			•
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	į								
~									
			i						
	:		·						
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes N	lo DQA	.:	Date: _	
	R	esolution:	Dispositio	n:	_ QA: N/C Clo	sed:		Date: _	<del></del>
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)				
DATE	STEP	Description of NC		Corrective Action Section		Verifica	ation	Approval	Approval
DAIL	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sectio	n C	Chief Eng	QC Inspector
								: :	

April-23-12 10:08:10 AM

Work Order ID: 83648

\*83648\*

Parent Item: Parent Item Name: Skidtube LH

D350-636-011

\*D350-636-011\*

**Start Date:** 23/04/2012

Required Date: 07/05/2012

Start Qty: 1.00

Required Qty: 1.00

D3791-1

Manufactured

230

Each

12.0000

Loc Code

\*\*

Wearplate

AN960C10L

No

No

Location Loc Qty FP002 12 62239 2 82168 10 230 Each

0.0000 38 38

\*\*

\*\*

\*AN960C101 \*

washer D2745

Manufactured No 121509-

Location

Each

\*D2745\*

Bushing

Loc Qty

230

FP 6 79518 6 FP001 30 69529 76142 81964 28

83260-

Loc Code

36.0000

Dart Aerospace Ltd	Dart	Aeros	pace	Ltd
--------------------	------	-------	------	-----

W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
,								r rod wigi				
	1											
				•								
Part No:		PAR #:	Fault Cate	gory:	_ NCR: Yes i	No DQA		Date: _	· · · · · · · · · · · · · · · · · · ·			
Resolution:			Dispositio	QA: N/C Clo	A: N/C Closed:			Date:				
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NCR)							
DATE	STEP	Description of NC	Corrective Action Section B			Verification		Approval	Approval			
	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		Section C	Chief Eng	QC Inspector			
				·				:				

Picklist Print April-23-12 10:08:10 AM		•	· · · · · · · · · · · · · · · · · · ·						•	Page 9
Work Order ID: 83648		*A	3648*							
Parent Item: D350-636-011				111*						
Parent Item Name: Skidtube LH			, , , , , , – ( ), , ( ) – ( )	, , ,		St	art Date: 2	3/04/2012	Required	Date: 07/05/2012
(*) 数							tart Qty: 1.			d Qty: 1.00
AN3C5A	Purchased	No		230	Each	1,642.000	34		Require	<b>u</b> Qty. 1.00
*AN3C5A*	, arenasea			230	Euon	1,042.000	**	34	6	0 12/05/14
			<b>Location</b>	L	oc Qty	Loc Code				
			FP001		7					•
			115835		7				<del>-</del>	
			ST350		1635					
			116419		28				_	
<del>- g.</del>			117343 117764		13 7				_	
			117872		2				_	
			119749		23				_	
			120423		62				_	
in the second se			1210168 121255 /		500 500				_	r
			121444		500				_	
D3537-1	Manufactured	No		230	Each	17.0000	3	3	~	
*D3537-1*							**	3	(A)	12/05/14
			Location (171)	/ <u>L</u> d	oc Oty	Loc Code				·
			FG \$1362.		10					
			79833		10				_	
			FP002		7				_	
			69817		5				_	
NAS1149C0832R	Purchased	No	73716	230	2	250 0000	_		_	
		140		230	Each	279.0000		1		12/-11
*NAS1149C083	SZR"						**	1	(St)	12/06/20
WASIER			Logation	<b>.</b>	0.					1 /
			<u>Location</u> ST297	Lo	c Oty	Loc Code				
			114915		279 279				<del>-</del> -	
April-23-12 10:08:10 AM			Shop Pa	icket Print						Page 9

Dart Aerospace Lte	α
--------------------	---

W/O:		WORK ORDER CHANGES										
DATE	STEP	PR	ROCE	DURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
•	-							·				
									-			
	<u> </u>											
Part No: PAR #:			Fault Ca	tegory:	NO	CR: Yes	No DQ	A:				
	Resolution:				ion:	Q	A: N/C C	osed:		Date: _		
NCR:	•		WO	RK OR	DER NON-CONF	ORMANC	E (NCF	₹)				
DATE	STEP	Description of NC Section A		Initial Action Description Chief Eng Chief Eng			Sign &	Sec	<b>cation</b> ion C	Approval Chief Eng	Approval QC Inspector	
					o.no. Eng							
							:					
					·						-	
					`		i		·			
			-	4/4 T	•							

Picklist Print April-23-12 10:08:10 AM					··•				-	Page 10
Work Order ID: 83648		*Q	3648*	<u></u> -						
Parent Item: D350-636-011			350-636-0	11*						
Parent Item Name: Skidtube LH	į	1,	นาวเบ-ถเาถ-เบ			S+	art Date: 2	2/04/2012	Dogwined D	ate: 07/05/2012
•							tart Qty: 1.		Required (	
AN3C6A	Purchased	No		230	Fact				Kequirea (	2ty: 1.00
*AN3C6A*	Turchased			230	Each	425.0000	4 **	4 4	(P)	12/05/14
			Location	Loc	<u>Qty</u>	Loc Code				
			FP001		1					
			111982		1				_	
			ST351		424				_	,
			111982		2				_	
			116419		23			_	_	
			116549 116704		2				_	
			117619		12 10				_	•
			117688		10				-	
	1		117872		5				-	
			118422		13				<del></del>	
			119449		21				_	
			120423	*	3				_	
NAC1/11 012			120693		332	•			-	
NAS1611-013	Purchased	No		230	Each	154.0000	8	8		
*NAS1611-013*							**	8		12/06/20
			<b>Location</b>	Loc	<u>Oty</u>	Loc Code	•			
			FP001		154				and the second	
			116582		5					
			117291		2			<u> </u>	· · · · · · · · · · · · · · · · · · ·	
			117887		53				<del>-</del> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
· '	. *		119623 121166		36					
			121259		8 50					
		<i>*</i> * * .			30				-	
			121584			•		2		
	• •		121826		•			6		
			141025		÷			2		
							A			
April-23-12 10:08:10 AM			Shop Pa	cket Print					· · · · · · · · · · · · · · · · · · ·	Page 10

Page 10

Dart Aerospace L	td
------------------	----

Duit Au	Jopado													
W/O:			WORK ORDER CHANGES .											
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
-		·												
	1													
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA	\:	_ Date: _						
	R	esolution:	Disposition	1:	_ QA: N/C Clo	sed:		Date: _						
NCR:		1	WORK ORDI	R NON-CONFORMA	NCE (NCR)		***							
DATE	STEP	Description of NC		Corrective Action Section		Verificati			Approval					
DAIE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Approval Chief Eng	QC Inspector					
	,													
	•													
	,													
	:													

12/05/14

12/05/14

(2/05/14

April-23-12 10:08:10 AM

Work Order ID: 83648 \*83648\* Parent Item: D350-636-011 \*D350-636-011\* Parent Item Name: Skidtube LH **Start Date: 23/04/2012 Required Date:** 07/05/2012 Start Qty: 1.00 Required Qty: 1.00 D3535-25 Manufactured No 230 26.0000 Each \*D3535-25\* \*\* Wearshoe Location Loc Qty Loc Code FP001 26 62233 81357 8 82156 . 17 D3794-1 Manufactured No 230 Each 26.0000 \*D3794-1\* \*\* Gasket Location Loc Qty Loc Code FP 23 82167 23 FP002 3 75042 2 80435 1

\*MS21043-6\*

Purchased

No

MS21043-6

NUT

Location Loc Oty Loc Code FG 20 103693 20 ST301 690 117887 6 118384 > 184 120308 500

230

Each

710.0000

\*\*

Dart Aerospace Lt
-------------------

	•													
W/O:			WORK ORDER CHANGES											
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:						
	Re	esolution:	Disposition	n:	QA: N/C	Closed:		Date: _						
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NC	R)								
DATE STEP	Description of NC					cation	Approval	Approval						
DAIL	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	QC Inspector					
	,													
					1									
				- P										

April-23-12 10:08:10 AM

Work Order ID: 83648

Parent Item:

D350-636-011

Parent Item Name: Skidtube LH

\*83648\* \*D350-636-011\*

Location

ST050

ST304

121011

Start Date: 23/04/2012

**Required Date:** 07/05/2012

Start Qty: 1.00

Required Qty: 1.00

D3493-1

Manufactured

250

Each

55.0000

Loc Code

\*\*

MS21083C8

Purchased

No

55 70697 2 77573 1 78835 11 82023 41 250

Each

5

Loc Qty

110.0000

\*\*

/	n12(349

Location Loc Qty Loc Code 304 100 121185 50 121349 50 FP002 115884 ST303 115884 118077 119309 119638

Darl	Aeı	osp	ace	Ltd
------	-----	-----	-----	-----

<b>D</b> uit 7101	Johade								
W/O:			W	ORK ORDER CHANGE	ES				
DATE	STEP	PRO	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									<u> </u>
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Ye	s No DC	A:	Date: _	
	R	esolution:	Disposit	ion:	QA: N/C	Closed:		Date: _	
NCR:		V	VORK OR	DER NON-CONFORMA	NCE (NC	R)			
DATE STEP	Description of NC		Corrective Action Section		Verif	ication	Approval	Approval	
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Section		Chief Eng	QC Inspector
						1			
			:						
								,	
1	1		ı		t	I		I	}

Picklist Print  April-23-12 10:08:10 AM											Page 13	
Work Order ID: 83648  Parent Item: D350-636-011	· · · · · · · · · · · · · · · · ·		3648 350	3* -636-0	11*	<u> </u>	·					
Parent Item Name: Skidtube LH				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				tart Date: 2 Start Qty: 1			d Qty: 1.00	
*AN8C21A *AN8C21A* BOLT	Purchased	No			250	Each	89.0000	2 **	2	m	121285	
			Location ST343	118758 121067 121167 121275	<u>L</u>	89 3 16 20 50	<u>Loc Code</u>			  	·	
*NAS1515H3L *NAS1515H3L * WASHER	Purchased	No		121273	230	Each	134.0000	4 **	4 <i>U</i>	<b>P</b>	12/05/n	1
			Locatio FG ST277	102472 102472 118686 119438 120360 121243	<u>L</u>	40 40 94 3 1 40 50	Loc Code			  	,	
D2741  *D741* Blade, 350 Skidtube	Manufactured	No			250	Each	41.0000	i <b>**</b>	-1 -3	135	4.	
			Locatio ST ST466	71856 76984 79516	<u>Lo</u>	-10 51 1 2 38	<u>Loc Code</u>			  		

Dart Aerospace l	oace l	Ltd
------------------	--------	-----

Dail Aei	ospace	Liu							
W/O:			WO	<b>RK ORDER CHANGI</b>	ES				
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									5 1 1 1
			····································						
	·								
		PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	R	esolution:	Disposition	l:	_ QA: N/C CI	osed:		Date: _	
NCR:	:	,	WORK ORDE	R NON-CONFORMA	NCE (NCR	)			
	Description of NC			on B	Verifi		Approval	Approval	
DATE	STEP Description of N		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector
-									
					1				
	1								

April-23-12 10:08:10 AM

Work Order ID: 83648

Parent Item:

D350-636-011

Parent Item Name: Skidtube LH

\*83648\*

\*D350-636-011\*

**Start Date: 23/04/2012** 

**Required Date:** 07/05/2012

Start Qty: 1.00

Required Oty: 1.00

D3532-1

Manufactured

250

Each

29.0000

2 \*\*

Location Loc Qty Loc Code ST053 29 78839 5 82041 24

## **Dart Aerospace Ltd**

W/O:	L L		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
	1											
<u>-</u>							<u></u>					
		* . ·										
								<u></u>				
Part No	:	PAR #:	Fault Cat	egory:	NCF	R: Yes N	10 DQ	A:	_ Date: _			
	R	esolution:	Dispositi	on:	QA:	N/C Clo	sed:		Date:			
NCR:			WORK OR	DER NON-CONFORM	IANCE	(NCR)						
DATE	STEP	Description of NC	escription of NC Corrective Action			Section B Ve			Approval	Approval		
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Chief Eng	QC Inspector		
				•								
	,		·					•				
										1		
		,										
					ļ							
	1											

QTY -041 QTY | QTY | QTY -042 | -043 | -044 PART NUMBER DESCRIPTION D2750-041 350 SKIDTUBE ASSEMBLY, LH X D2750-042 350 SKIDTUBE ASSEMBLY, RH D2750-043 350 SKIDTUBE ASSEMBLY, LH D2750-044 350 SKIDTUBE ASSEMBLY, RH 1 D2739 1 1 WEB 8 8 8 D2743 SPACER 1 D2744 CAP 1 1 8 8 8 8 D2745 BUSHING D2750-1 SKIDTUBE WELDMENT, LH D2750-2 SKIDTUBE WELDMENT, RH D2750-3 SKIDTUBE WELDMENT, LH D2750-4 SKIDTUBE WELDMENT, RH D3488-04 BLADE FITTING, LH D3488-042 BLADE FITTING, RH 4 4 4 D3490-1 SPACER 4 D3490-3 SPACER D3490-5 SPACER 8 8 8 D3492-041 PLUG ASSEMBLY В 8 D3492-043 PLUG ASSEMBLY D3492-045 PLUG ASSEMBLY D3535-25 WEARSHOE 1 1 D3536-25 GASKET Æ 3 3 3 D3537-1 WEARPAD R 8 8 8 D3631-1 WASHER 1 D3791-1 WEARPLATE 1 1 D3793-1 WEARSHOE 1 1 1 D3793-3 WEARSHOE 1 D3794-1 GASKET 1 D3794-3 1 GASKET INSERT (OR ALS7-1032-225, AKS4-1032-225, AELS-1032-225) ALS4-1032-225 38 38 38 38 34 34 34 AN3C5A BOLT 34 4 4 4 AN3C6A BOLT 4 4 1 4 ANSC44A BOLT AN8C35A BOLT 38 AN960C10L 38 38 38 WASHER 1 1 1 AN960C816 WASHER 4 MS21043-6 4 4 NUT 4 1 MS21083C8 NUT 4 NAS1515H3L 4 4 WASHER

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COMY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER )\_83648 MLJ 12/04/23

DESIGI	DADT AEDOCDACE		
REV.	DESCRIPTION	BY	DATE
Α	NEW ISSUE	DS	98.04.16
В	CHANGE MS24694-S293 TO AN8-16A	CP	98.09.01
С	ADD D2750-3/D2750-4; INCORPORATE D2738 AND D2740	CP	98.11.18
D	ADD HOLES AND SPACERS FOR APICAL FLOATS; INCORPORATE DEO 9133/9157	PH	06.01.05
E	CHANGE TO STAINLESS STEEL WEARPLATES: ADD RUBBER GASKETS, CHANGE INSERTS, ADD 03631-1; REMOVE GTY (38) NAS1515H3L, REMOVE QTY (10) NAS1515H8L; REMOVE D2741, QTY (2) AN960C816; REMOVE GTY (2) MS21063C9	СВ	07.05.17
F	INCORPORATE DSI 9413: GTY (3) DSS37-1 WAS QTY (5) (ZN C8-1); D3791-1/-3 REPLACES D3535-13/-35 (ZN C8-1); D3794-1/-3 REPLACES D3535-13/-35 (ZN B8-1); ADD D3791-1 (ZN C8-1); WEARSHOE HOLES UNDER FWD/AFT SADDLE REMOVED (8 PL), WEARSHOE HARDWARE QTY UPDATED (ZN B8-1); D3488-0417-042 HARDWARE UPDATED (ZN C1-8, 9, 10, 11); ADD NOTE 12 AND 13 (ZN A6-1); REASON. REF. NCR 08-043);	РН	08.07.16

DESIGN	PO,	DART AEROSPACE USA, I	NC.			
DRAWN	RH	PORT HADLOCK, WA				
CHECKED	1 1	DRAWING NO.	REV. F			
MFG. APPR.	<b>M</b> C	D2750 <sub>SHI</sub>	EET 1 OF 11			
APPROVED	IM	TITLE	SCALE			
DE APPR.	1	350 SKIDTUBE ASSEMBLY	NTS			
DATE 08.0	7.16	COPYRIGHT © 1998 BY DART AEROSPACE USA, INC. THE ODDINIERS BY PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE COPPRIES CONCITION THAT IT IS				

**GENERAL NOTES:** 

8

D

MATERIAL: MAKE D2750-1/-2/-3/-4 FROM D2600-3 EXTRUSION (INITIAL LENGTH = 120.0). FINISH:

OCID ETCH, ALONDE ASSEMBLY PER DART QSI 005 4.1 PRIOR TO INSTALLING D2739 WEB.
POWDER COAT WHITE (REF. 4.3.5.1) PER DART QSI 005 4.1
BLACK ANTI-SKID PAINT AS INDICATED TO 1.0 ABOVE SKIDTUBE CENTER-LINE PER DART 005 4.4 (OPTIONAL).

TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

UNITS: INCHES UNLESS OTHERWISE NOTED BREAK SHARP EDGES: N/A

IDENTIFICATION: N/A

WEIGHT: D2750-041/-042/-043/-044 = 26.5 LBS

WELD PER DART QSI 004

WELD PER DART 051004
INSTALL ALS4-1032-225 INSERTS AFTER FINISH AS INDICATED. DRILL 'F' SIZE HOLES (Ø 0.297) FOR WEARSHOE INSERTS
FINAL CONFIGURATION SHOULD HAVE THE FOLLOWING MINIMUM MECHANICAL PROPERTIES:
MINIMUM YIELD TENSILE STRENGTH = 35 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI

SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY. CLEAN EXCESS OFF

POWDER COATING WITH MEK DEGREASER.
SPACER AND PLUG INSTALLED SAME AS SECTION AJ-AJ EXCEPT HORIZONTAL
SPACER AND PLUG INSTALLED SAME AS SECTION AP-AP EXCEPT HORIZONTAL

6

5

5

		space	1 44
112771	ABIN	chara	1 1/1
	ACIUS	JUGUE	

W/O:			W	ORK ORDER CHANGI	ES				
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	ı	······································							
						··-·			
Part No	:	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C C	losed:	***	Date: _	
NCR:		\	WORK ORD	ER NON-CONFORMA	NCE (NC	R)			
DATE	OTED	Description of NC Corrective Action Section				Verificatio		Approval	Approval
DATE	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sec	tion C	Chief Eng	QC Inspector	
<b>:</b>						1		<b>.</b>	
	-								
ļ									
								:	
							,		
					1			ļ	

D2750-041 350 SKIDTUBE ASSEMBLY, LH D2750-042 350 SKIDTUBE ASSEMBLY, RH DART AEROSPACE USA, INC.
PORT HADLOCK, WA DESIGN DRAWN DRAWING NO. CHECKED REV. F D2750 MFG. APPR. SHEET 2 OF 11 TITLE APPROVED 350 SKIDTUBE ASSEMBLY

COPYRIGHT 6 1998 BY DART AEROSPACE USA, INC.

THE GOCUMENT A PRIVATE AND COMMENTAL WIRES IN SIMPLE OF THE RESTRICT WATER FOR THE WATER OF THE WIRES COMMENTAL WIRES AND THE PRIVATE OF THE PRIVAT DE APPR. DATE 08.07.16 8 5

<b>Dart Aerospace Ltd</b>	Dar	i Aei	rosp	ace	Ltd
---------------------------	-----	-------	------	-----	-----

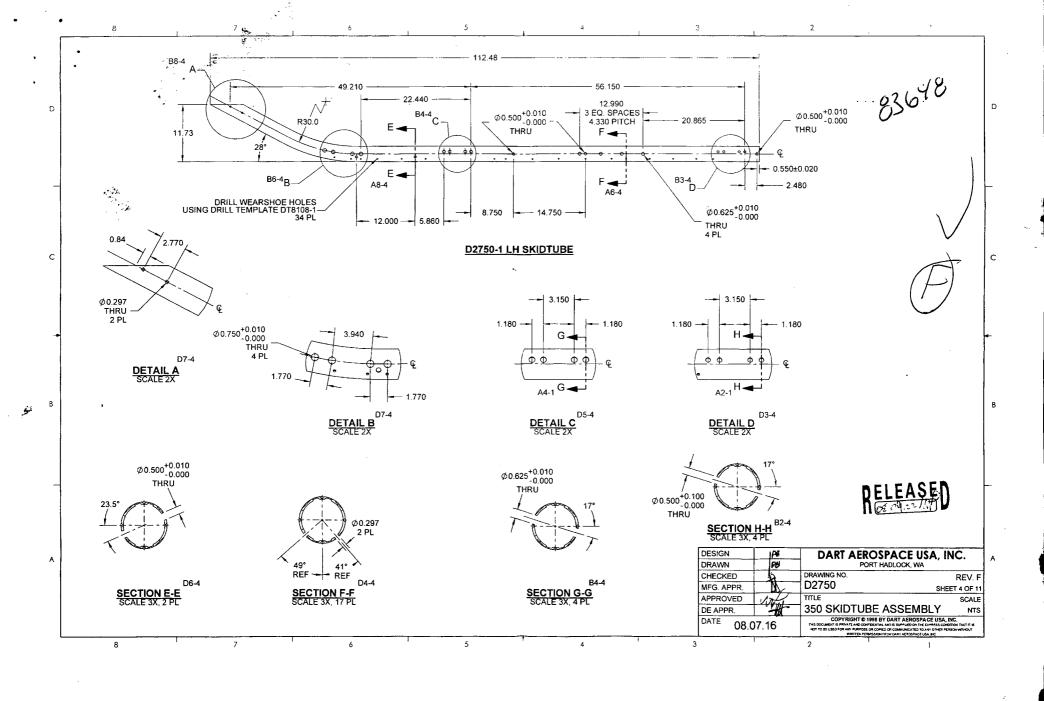
W/O:	i	· · · · · · · · · · · · · · · · · · ·	W	ORK ORDER CHANG	ES		<del></del>	· · · · · · · · · · · · · · · · · · ·	, .
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	Disposition	on:	_ QA: N/C (	closed:		Date: _	
NCR:		V	WORK ORD	ER NON-CONFORMA	NCE (NC	R)			
DATE	STED	Description of NC		on B	Verifi	cation	Approval	Approval	
DATE	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		tion C	Chief Eng	QC Inspector	
								ļ	
				•					

D D2750-043 350 SKIDTUBE ASSEMBLY, LH D2750-044 350 SKIDTUBE ASSEMBLY, RH DESIGN DART AEROSPACE USA, INC.
PORT HADLOCK, WA DRAWN DRAWING NO. CHECKED REV. F MFG. APPR. SHEET 3 OF 11 APPROVED TITLE 350 SKIDTUBE ASSEMBLY

COPYRIGHT © 1998 BY DART AEROSPACE USA, INC.
THE DOCUMENT'S PRIVATE AND CONFIDENCY. AND SUPPLED ON THE UPPERS CONTINUE
HOT TO BE USED THAN EMPOSED OF CONTROLLED ON AND AND THE MEASURE. DE APPR. DATE 08.07.16 2

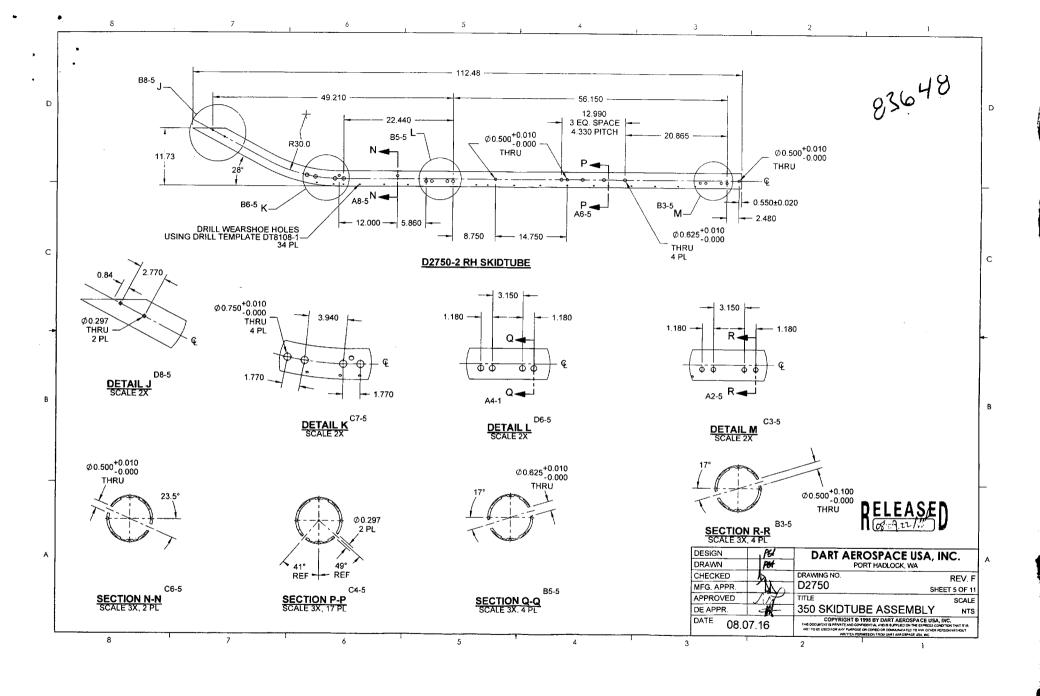
## **Dart Aerospace Ltd**

W/O:	-		ORDER CHANGES	GES .					
DATE	STEP	. PRO	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	ì								·
			•		,				
	1	A			25 . Ja	ŗ	!		
Part No	:	PAR #:	Fault Category:	·	NCR: Yes	No <b>DQ</b>	*;- \:		· · · · · · · · · · · · · · · · · · ·
<i>.</i> x.	→, ÎR	Resolution:	Ɗispọsition:	· · · · · · · · · · · · · · · · · · ·	QA: N/C C	closed:		Date:	
NCR:			WORK ORDER N	ON-CONFORMAN	CE (NC	R) .			
DATE	TE STEP Description of NC			ective Action Section		Sign & Section C		Approval	Approval
DATE	SIEF	Section A Initial Action		Action Description Chief Eng				Chief Eng	QC Inspector
	p.								
						,		., .	9
		}							
<u>·</u>									
			•						
	•								
•	<u> </u>								
;									
<b>.</b>									
£ 3	1 .								



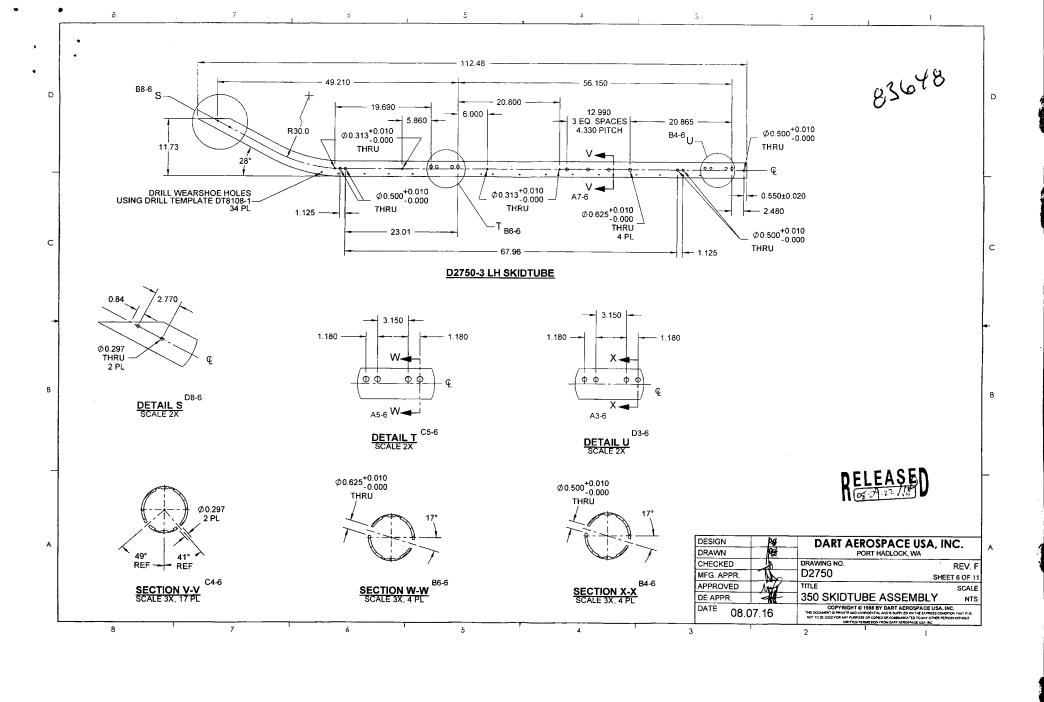
Dart Aerospace	Ltd
----------------	-----

Dail Aci	oopaoc								
W/O:		-	W	ORK ORDER CHANGE	S				
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
!									
							-		
Į									
Part No	<u>:</u>	PAR #:	Fault Cate	gory:	NCR: Yes				
	R	esolution:	Dispositio	n:	QA: N/C Cld	sed:		Date: _	
NCR:		V	WORK ORD	ER NON-CONFORMAN	NCE (NCR	)			
DATE	STEP Description of NC		Corrective Action Section B			Verific	ation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti	on C	Chief Eng	QC Inspector
		·							
							<del></del>		



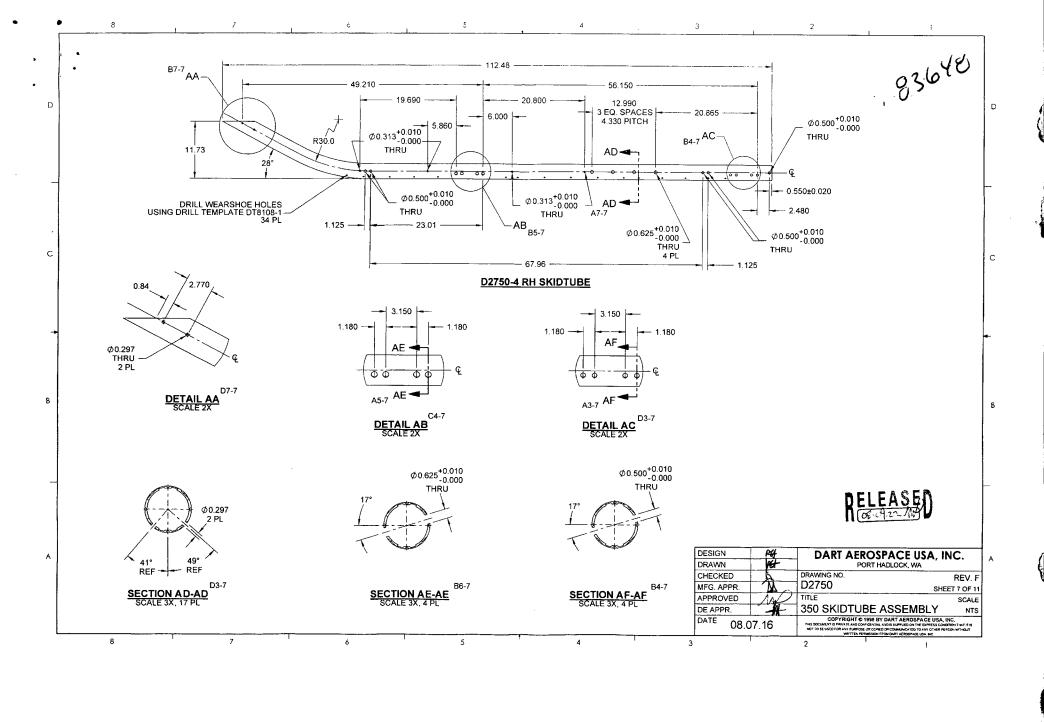
Dart A	erospace	Ltd
--------	----------	-----

W/O:			WC	RK ORDER CHANG	ES					*
DATE	STEP	PRO	OCEDURE CHA	NGE		Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	·									:
								,		
Part No	<u>.</u>	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo <b>DQ</b>	<b>A</b> :	Date:	
	R	esolution:	Disposition	n:	_ QA: N	VC Clos	sed:	<del> </del>	Date: _	
NCR:	*		WORK ORD	ER NON-CONFORM	ANCE (	NCR)				
DATE	CTED	Description of NC	Description of NC Corrective Action S				Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		ion C	Chief Eng	QC Inspector
									· •	
·										
					,					
	1								1	



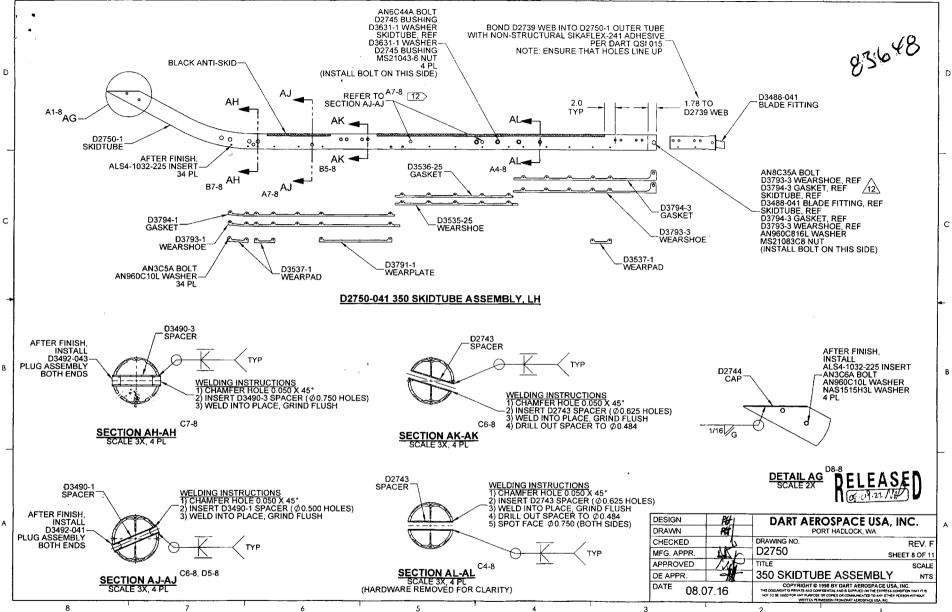
	-	L	
Dart	A		
1 124 7 1	LUIT	16112	
		JSDG	 

W/O:			W	ORK ORDER CHANG	ES				,
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
······································									
Part No			PAR #: Fault Category:						
	Resolution: Disposition:							Date:	
NCR:		V	VORK ORI	DER NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Description Chief Eng	on B Sign Date	& Sec	ication tion C	Approval Chief Eng	Approval QC Inspector
			Onles Ling	Sinor Eng					
	:		-						



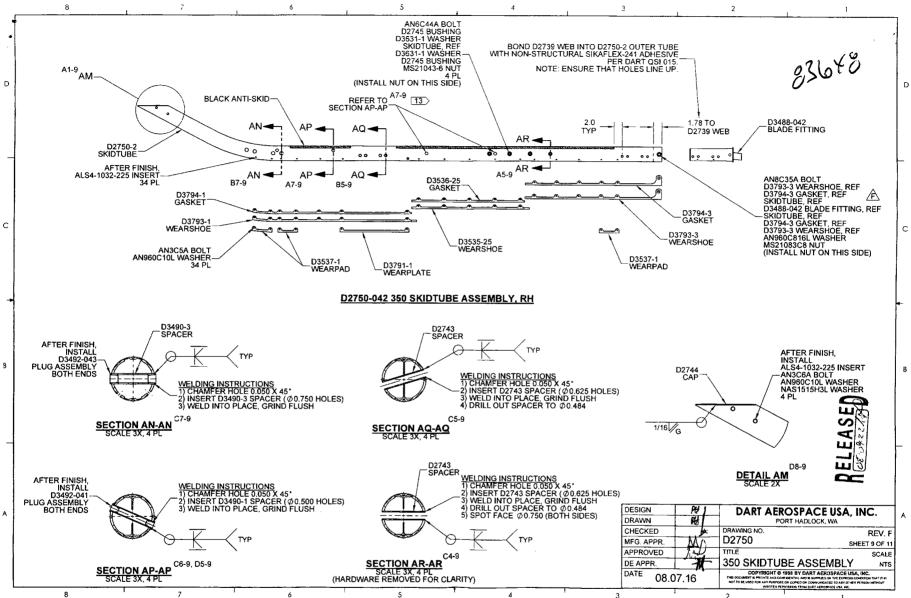
<b>Dart Aerospace Ltd</b>	Dar	i Aer	ospa	ice l	Ltd
---------------------------	-----	-------	------	-------	-----

	. copace								•	
W/O:			WORK ORDER CHANGES							
DATE	STEP	PROC	CEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
		·						, , , , , , , , , , , , , , , , , , , ,		
	1									
Part No	):	PAR #:	_ Fault Ca	tegory:	_ NCR: Yes	No <b>DQ</b>	A:	Date: _		
Resolution:			_ Disposit	ion:	_ QA: N/C C	osed:		Date: _	<del></del>	
NCR:		W	ORK OR	DER NON-CONFORMA	NCE (NCF	R)				
DATE	STEP	Description of NC			on B	Verific	cation	Approval	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date		ion C	Chief Eng	QC Inspector	
						į				
			-							
			:							



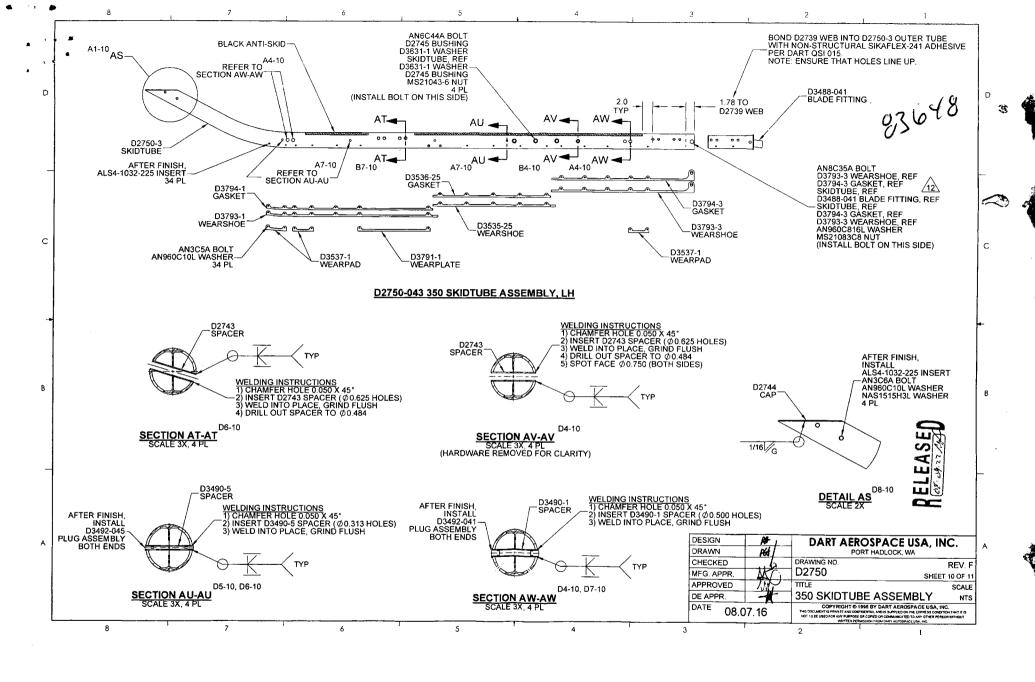
Dart Aerospace Ltd	1
--------------------	---

W/O:	1		W	ORK ORDER CHANG	GES					2 r
DATE	STEP	PRO	CEDURE CH	ANGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	ŧ						·			
					,					
·										
						<u> </u>				
Part No	: <u> </u>	PAR #:	Fault Cat	egory:	NCR: Y	es N	o DQA	۸:	_ Date: _	
	R	esolution:	tion: Disposition: QA:				ed:		Date:	
NCR:	•	V	ORK OR	DER NON-CONFORM	ANCE (N	CR)				
DATE	STEP	Description of NC	1.11.1		ction B		Verific		Approval	Approval
DAIL	J. 2.	Section A	Initial Chief Eng	Action Description Chief Eng	51 D	gn & ate	Section	on C	Chief Eng	QC Inspector
								180 188 44.14.44.		
							l I			

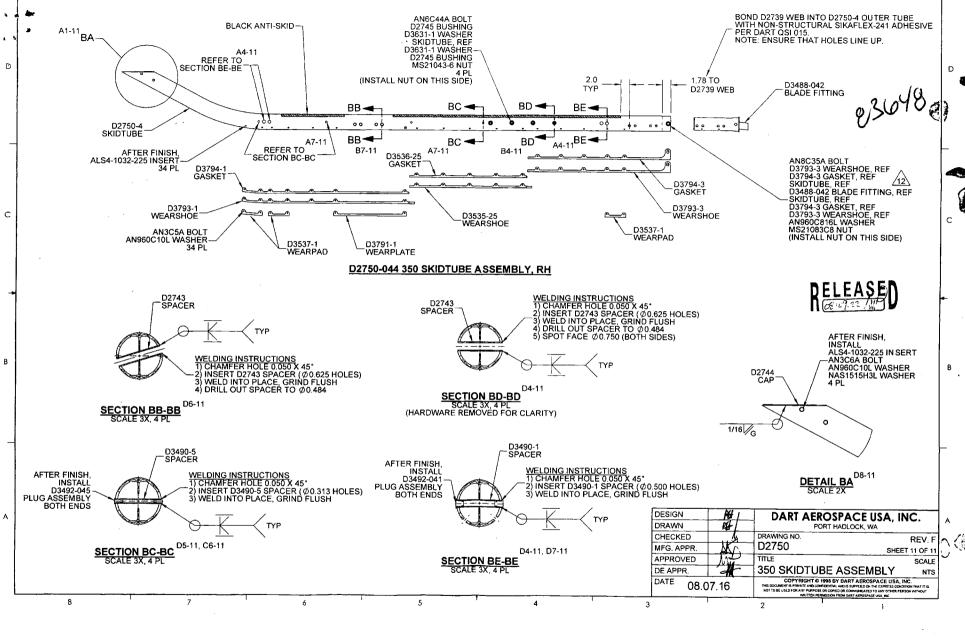


Da	rt	Ae	ros	pac	e L	.td
----	----	----	-----	-----	-----	-----

Dail Ac	Ospace	Liu							•
W/O:			WO	RK ORDER CHANG	ES	·····			* e .
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	i I								
<del>*</del>									
Part No: PAR #: Resolution: NCR:		PAR #:	Fault Categ	jory:	_ NCR: Yes	No DQ	A:	Date: _	
		esolution:	Disposition	):	_ QA: N/C C	losed:		Date: _	
			WORK ORDE	R NON-CONFORMA	NCE (NCI	<b>R</b> )			
	T	Description of NC	Description of NC Corrective Action		on B	Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Secti	ion C	Chief Eng	QC Inspector
	i								
							· , ·		



Dart Ae	rospace	<b>Ltd</b>						<b>4</b> * * *
W/O:	:	<del>-</del>	W	ORK ORDER CHANGE	ES			#* e .
DATE	STEP		OCEDURE CHA	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•					
	ļ							
Part No	•	PAR #:	Fault Cate	egory:	NCR: Yes	No DQA:	Date: _	
	R	esolution:	Dispositi	on:	QA: N/C Clo	osed:	Date: _	
NCR:	•	\	WORK ORE	DER NON-CONFORMA	NCE (NCR	)		
DATE	OTED	Description of NC		Corrective Action Section		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
	-							
1 1		·						



				\$4	er er				erren verite in the first service		
Dart Aer	ospace i	Ltd								€: = *	
W/O:		•	WORK ORI	DER CHANG	ES					***	
DATE	STEP	PR	OCEDURE CHANGE	••	-	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
:		v + **								• .	
	Sing again made to the second			;							
Part No:		PAR #:	Fault Category:		_ NCR:	Yes	No DQ	A:	Date: _		
	Res	solution:	Disposition:		QA: N	VC CI	osed:	<u>.</u>	Date: _		
			WORK OPPED NON	CONFORM	ANCE	NICE	<b>)</b> \				

NCR:			WORK ORDER NON-CONFORMANCE (NCR)							
		•	Description of NC Section A	Corrective Action Section B			Verification	Approval	Approval	
DATI	re	STEP		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector	
									, As	
								•		
			e <b>v</b> Amerikan							
		<b>\$</b> -								
									·	
								'		
					**************************************			٠.		
<u>.</u>	•			•				•		
	1									

NO. <u>293</u>

## AWS D17.1.2001 QUALIFICATION TEST RECORD

Name:	barday Elliott
Job number:	82790
Part number:_	1350-636-014
Description:	Skid tube
Welding Proce	ess: Tig[   Mig[ ]
Base materiel:	Alien
Current: AC[	YDC[]
•	

## TEST REQUIREMENTS AND RESULTS

Visual: Penetration:	pass[] fail[] pass[]	
UNACCEPTABLE		
Cracks: Undercut: Pin holes: Overlap (cold lap) Porosity (surface): Coloration:	pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[] pass[] fail[]	
Qualifier Burdletto Welder Borday Elliot	Date of Test Coupon Date of Test Coupon	B.05-01

The above named individual is qualified in accordance with AWS D17.1.2001 to weld

